Design Lab Part II

Work for 30 minutes to finalize the CRC cards and build the UML diagram using UMLet.

Answer the following questions in a Word document. Make sure each team member has a copy of this document, your UML, and CRC layout at the end of the day.

1. Where are you using abstraction in your design? What changes will these abstractions allow you to make easily?

2. a) Which pieces of the problem specification are likely to change in the future? In what ways?

2. b) How hard (how many classes would need to change) to accommodate this change? Could better design mitigate these problems?

3. Which pieces of the design would be easy to reuse in another system?

        If a microwave needed a 12 hour clock based count down timer, how easy would it be to use your code?
        If you wanted to build a stop watch, how much of your project could you reuse?

        What other systems might need to reuse part of your alarm clock?